

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Featherby, Michael

Appl. No.: 10/075,706

Filed: 2/13/2002

Title: ELECTRONIC DEVICE  
PACKAGING

Attorney Docket No.: 73498

Commissioner for Patents  
Washington, D.C. 20231

Group Art Unit: 2818

Examiner: Le, Dung Anh

*8/I.D.S.  
G. Stanley  
2-4-03*

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

This Information Disclosure Statement is submitted:

☒ under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits, whichever occurs last)

RECEIVED

JAN 31 2003

TECHNOLOGY CENTER 2800

☐ under 37 CFR 1.97(c) together with either a:

☐ Statement under 37 CFR 1.97(e), or

☐ a \$180.00 fee under 37 CFR 1.17(p), or

(After the CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)

☐ under 37 CFR 1.97(d) together with a:

☐ Statement under 37 CFR 1.97(e), and

☐ a \$180.00 fee set forth in 37 CFR 1.17(p).

(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

☒ Applicant(s) submit herewith Form PTO 1449-Information Disclosure Citation indicating references which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

The relevance of the attached references is that this is the closest art of which Applicant is aware.

Copies of these references and concise explanations of the foreign patents are not provided herewith pursuant to 37 C.F.R. 1.98(d) as copies of these references were previously submitted in United States Patent Application No. 09/520,928 filed April 9, 2002 (Docket No. 65596) which was relied on for an earlier effective filing date under 35 U.S.C. 120.

Applicant submits that the above references taken alone or in combination neither anticipate nor render obvious the present invention. Consideration of the foregoing in relation to this application is respectfully requested.

It is requested that the information disclosed herein be made of record in this application.

Respectfully submitted,

I hereby certify that this paper is being facsimile transmitted to the United States Patent and Trademark Office via 703-872-9318

Typed Name: Thomas F. Lebens

Signature: \_\_\_\_\_

\_\_\_\_\_  
Thomas F. Lebens  
Attorney/Agent for Applicant(s)  
Reg. No. 38221

Date: January 31, 2003

Telephone No.: 805-781-2865

FAX RECEIVED

JAN 31 2003

TECHNOLOGY CENTER 2800

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/075,706
				Filing Date	2/13/2002
				First Named Inventor	Featherby, Michael
				Art Unit	2818
				Examiner Name	Unknown
				Attorney Docket Number	73498
Sheet	1	of	2		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)			
		JP-56103452	8/1981		
		JP-60180150	9/1985		
		JP-61004249	1/1986		
		JP-62125651	6/1987		
		JP-2237053	9/1990		
		JP-4094560	3/1992		
		JP-61004250	1/1986		
		JP-57095650	6/1982		
		JP-60106150	6/1985		
		JP-54004781	7/1980		
		FR-2584863	1/1987		
		EP-0160327	11/1985		
		JP-60124834	7/1985		
		JP-4273200	9/1992		
		JP-2278740	11/1990		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of

the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the

document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		Application Number	10/075,706
		Filing Date	2/13/2002
		First Named Inventor	Featherby, Michael
		Group Art Unit	2818
		Examiner Name	Unknown
		Attorney Docket Number	73498
Sheet	2	of	2

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Citation No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	1 <sup>2</sup>
		"Electronics Packaging and Production", p26-27	
		"Electronic materials and Processes, Consulting and Short Courses", p1-3	
		"Electronic Materials Handbook", p470-483	
		"Electronic Packaging and Interconnection Handbook", p6.41-6.49	
		M.P. Baze et al., "Latch-Up Paths in Bipolar Integrated Circuits", IEEE Transactions on Nuclear Science, December 1986, Vol. NS-33, No.6	
		A. H. Johnston, et al., "The effect of Temperature on Single-Particle Latch-Up", IEEE Transactions on Nuclear Science, December 1991, Vol. 38, No. 6	
		Song et al., "Parametric Investigation of Latch-Up Sensitivity in 1.25 $\mu$ m CMOS Technology", IEEE Transactions on Nuclear Science, December 1987, Vol. NS-34, No. 6	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

Please type a plus sign (+) inside this box →



PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paper Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/075,706	
	Filing Date	Feb 13, 2002	
	First Named Inventor	Featherby, Michael	
	Group Art Unit	2818	
	Examiner Name	Le, Dung Anh	
Total Number of Pages in This Submission	5	Attorney Docket Number	73498

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks		<b>FAX RECEIVED</b> JAN 31 2003 TECHNOLOGY CENTER 2800

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	FITCH, EVEN, TABIN & FLANNERY, by Thomas F. Lebens
Signature	
Date	January 31, 2003

CERTIFICATE OF TRANSMITTAL			
I hereby certify that this correspondence is being transmitted to the United States Patent and Trademark Office via 703-872-9318 on this date: January 31, 2003			
Type or printed name	Thomas F. Lebens	Date	January 31, 2003
Signature			

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.